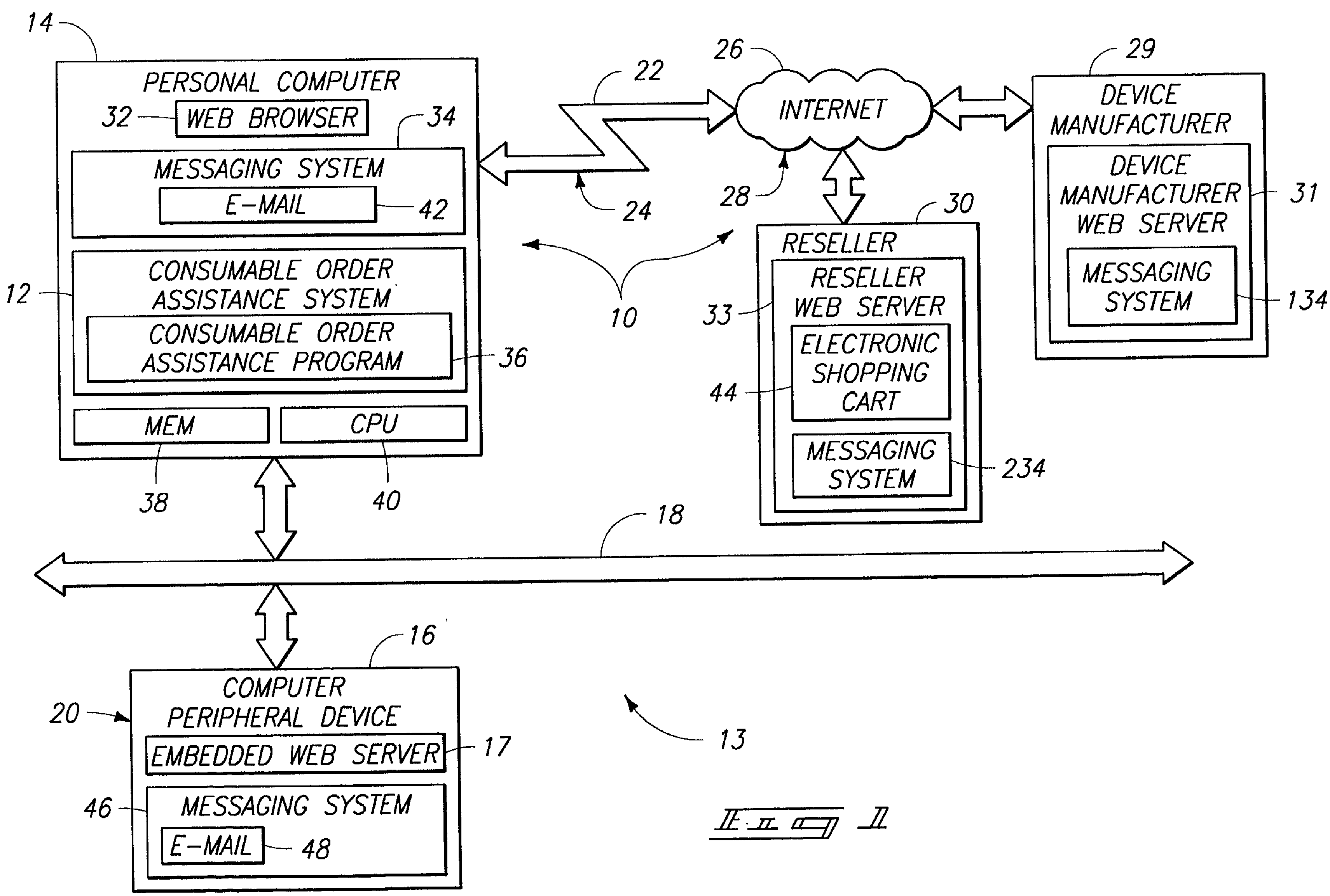
PERSONAL COMPUTER
WEB BROWSER
MESSAGING SYSTEM
E-MAIL
CONSUMABLE ORDER ASSISTANCE SYSTEM
CONSUMABLE ORDER ASSISTANCE PROGRAM
MEM
CPU
INTERNET
RESELLER
RESELLER WEB SERVER
ELECTRONIC SHOPPING CART
MESSAGING SYSTEM
DEVICE MANUFACTURER
DEVICE MANUFACTURER WEB SERVER
MESSAGING SYSTEM
COMPUTER PERIPHERAL DEVICE
EMBEDDED WEB SERVER
MESSAGING SYSTEM
E-MAIL
10
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134
234

Fig. 1

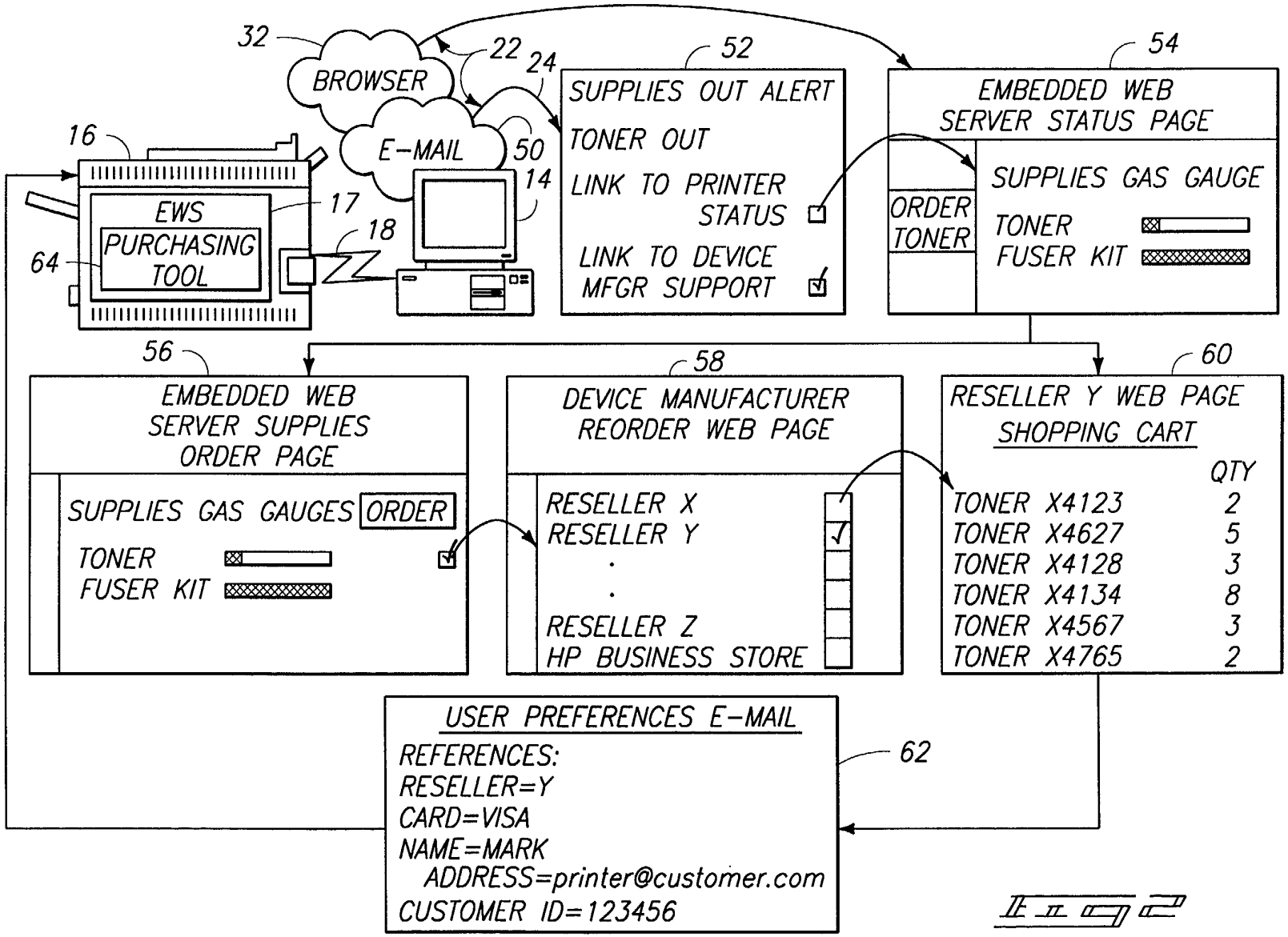
32
BROWSER
22
24
E-MAIL
50
52
SUPPLIES OUT ALERT
TONER OUT
LINK TO PRINTER STATUS
LINK TO DEVICE MFGR SUPPORT
54
EMBEDDED WEB SERVER STATUS PAGE
SUPPLIES GAS GAUGE
ORDER TONER
TONER
FUSER KIT
16
14
17
18
EWS
PURCHASING TOOL
64
56
EMBEDDED WEB SERVER SUPPLIES ORDER PAGE
SUPPLIES GAS GAUGES
ORDER
TONER
FUSER KIT
58
DEVICE MANUFACTURER REORDER WEB PAGE
RESELLER X
RESELLER Y
RESELLER Z
HP BUSINESS STORE
60
RESELLER Y WEB PAGE
SHOPPING CART
QTY
TONER X4123 2
TONER X4627 5
TONER X4128 3
TONER X4134 8
TONER X4567 3
TONER X4765 2
USER PREFERENCES E-MAIL
REFERENCES:
RESELLER=Y
CARD=VISA
NAME=MARK
ADDRESS=printer@customer.com
CUSTOMER ID=123456
62

Fig. 2

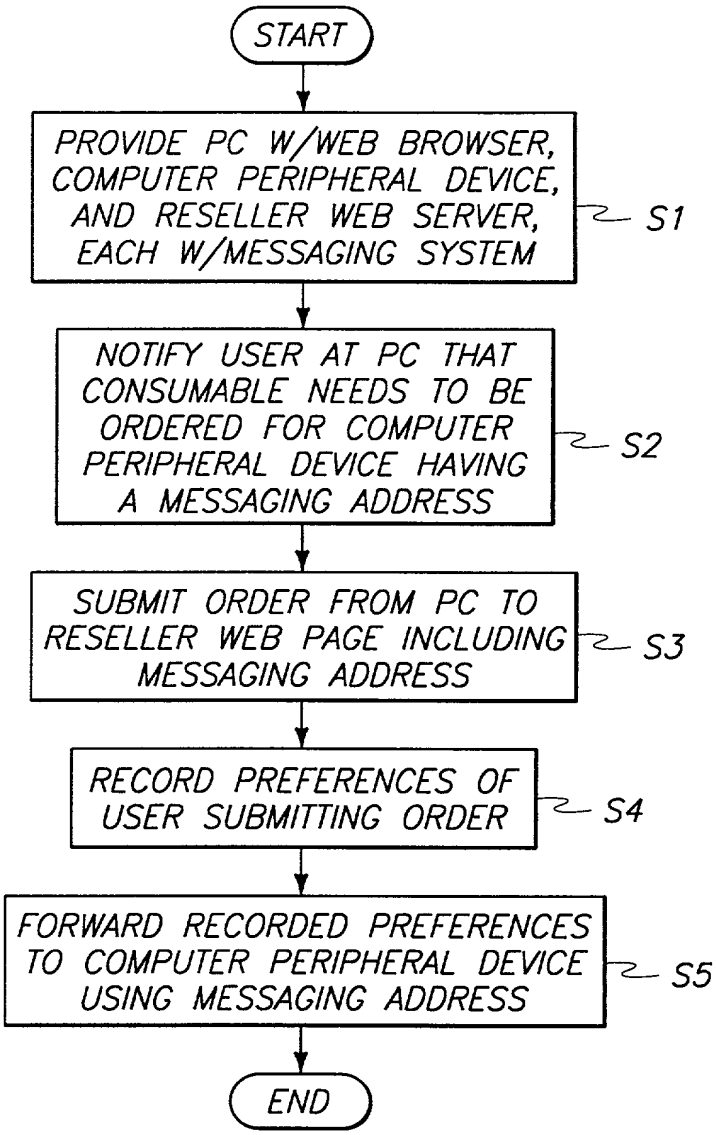
START
PROVIDE PC W/WEB BROWSER, COMPUTER PERIPHERAL DEVICE, AND RESELLER WEB SERVER, EACH W/MESSAGING SYSTEM
S1
NOTIFY USER AT PC THAT CONSUMABLE NEEDS TO BE ORDERED FOR COMPUTER PERIPHERAL DEVICE HAVING A MESSAGING ADDRESS
S2
SUBMIT ORDER FROM PC TO RESELLER WEB PAGE INCLUDING MESSAGING ADDRESS
S3
RECORD PREFERENCES OF USER SUBMITTING ORDER
S4
FORWARD RECORDED PREFERENCES TO COMPUTER PERIPHERAL DEVICE USING MESSAGING ADDRESS
S5
END

Fig. 3